

# Product Specifications

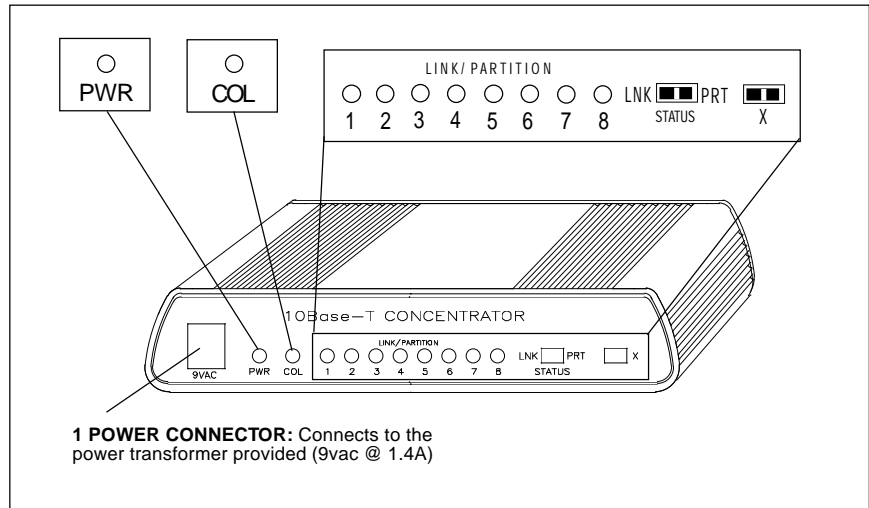


**Product Code: BEN210**  
**Product Name:**  
**BOCAHUB-8**

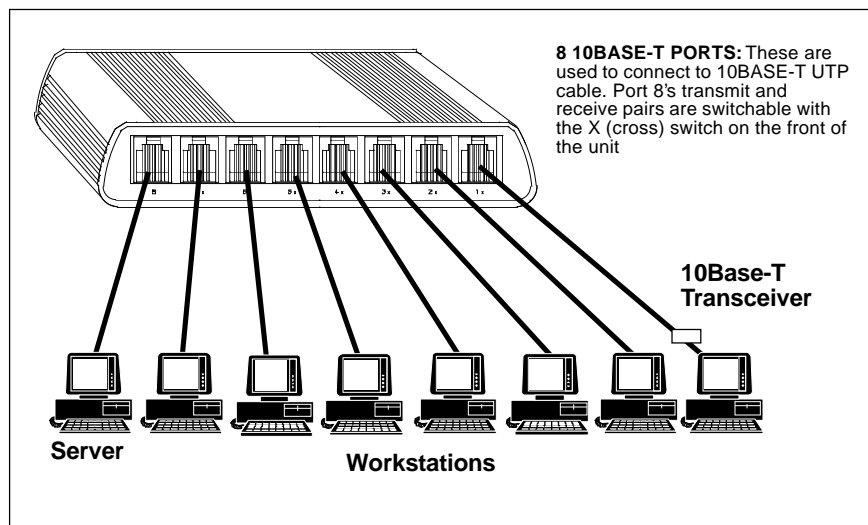
The low-cost BOCAHUB-8 10Base-T concentrator is fully compliant with IEEE 802.3 standards. Its highly integrated single-chip solution constantly monitors signal quality, ensuring increased network reliability. The BOCAHUB-8's compact case fits conveniently on the corner of a desk, and multiple hubs for cascading (see diagram) may be stacked on one another.

- ◆ Based on the AMD AM79C981 chip.
- ◆ Provides 8 RJ-45 ports for connection to nodes cabled with 10BASE-T UTP wiring.
- ◆ Provides 10 LED indicators. 1-power, 1-collision, 8-port link/partition activity.
- ◆ Provides two switches on the front panel. 1 for link/partition status of ports 1-8. 1 for crossing/uncrossing port 8 (to be used in cascading hubs).

- ◆ Requires power adapter with output of 9v AC @ 750 mA (included).
- ◆ Dimensions: 5.6"W x 1.2"H x 5.1"L
- ◆ FCC Class A compliance.
- ◆ Package includes: BEN210, AC power adapter, Installation Guide.



**FRONT VIEW: The BOCAHUB-8**



**REAR VIEW: The BOCAHUB-8**

**For a discussion of cascaded networks and a sample configuration, refer to the reverse side.**



## Cascaded Network

The star network may be expanded to a maximum of 91 stations using BEN210s through "cascading". This amounts to 3 levels of concentrators as shown below. The **first** is the main concentrator. One of its eight ports is connected to a network card in the server. The remaining 7 ports are connected to 7 concentrators. This makes up the **second** level. Six of the 7 concentrators have 7 ports available which are connected to 7 workstations for a total of **42 stations on Level 3**. Six of the 7 concentrators have 7 ports available which are connected to 7 workstations for a total of **42 stations on Level 3**. One of the 7 concentrators has 7 ports available which are connected to 7 workstations for a total of **49 stations on Level 3**. 49 on Level 3 and 42 on Level 2 yield a total of 91 stations. See diagram below.

Seven ports on the remaining concentrator are connected to 7 additional concentrators. This makes up the **third** level. Seven workstations may be connected to each of these concentrators for a total of **49 stations on Level 3**. 49 on Level 3 and 42 on Level 2 yield a total of 91 stations. See diagram below.

**When cascading from one BEN210 to a second BEN210, set port 8 on the first BEN210 to the non-X position. Use a straight-through cable from port 8 on the first BEN210 to any one port (1-7) on the second BEN210.**

